

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/05348

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A45D20/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A45D F26B F24D F24H B44D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 150 657 A (SHULTZ, JR. ET AL) 29 September 1964 (1964-09-29) column 1, line 68 - column 2, line 2 column 2, line 21 - line 25 figure 1	1-3
A	GB 2 170 705 A (BISHOP) 13 August 1986 (1986-08-13) abstract; figures page 1, line 57 - line 72 page 1, line 86 - line 96	1-4
A	US 4 903 416 A (LEVIN ET AL) 27 February 1990 (1990-02-27) column 5, line 46 - line 60	1
	-/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

*** Special categories of cited documents :**

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

8 September 2003

Date of mailing of the international search report

18/09/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

van Overbeek, K

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/05348

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 198 09 297 A (KOSKA; SCHILLING (DE)) 9 September 1999 (1999-09-09) column 3, line 26 - line 32 -----	1

Form PCT/ISA/210 (continuation of second sheet) (July 1992)

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/05348

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3150657	A	29-09-1964	NONE	
GB 2170705	A	13-08-1986	NONE	
US 4903416	A	27-02-1990	US 4800654 A	31-01-1989
DE 19809297	A	09-09-1999	DE 19809297 A1	09-09-1999